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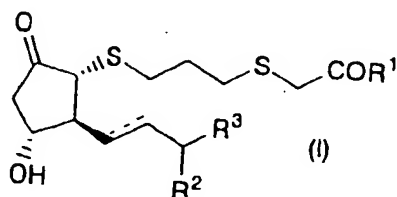
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(54) **A 3,7-dithiaprostanoid acid derivative**

(57) A 3,7-dithiaprostanoid acid derivative of the formula (I)



(wherein R¹ is OH, C1-4 alkoxy, NR⁶R⁷ (wherein R⁶, R⁷ are H, C1-4); R² is H, OH; R³ is (i) alkyl, alkenyl, alkynyl (ii) phenyl, cycloalkyl (iii) alkyl, alkenyl, alkynyl substituted by phenyl, cycloalkyl (when R² is H, alkyl, alkenyl, alkynyl in (i) or (iii) may be substituted by OH) possesses a binding activity for PGE₂ receptor (especially for EP4). Therefore they are useful for the treatment and/or prevention of immunologic diseases (autoimmune diseases, organ transplantation etc.), asthma, abnormal bone formation, neuronal cell death, liver damage, nephritis, hypertension, myocardial ischemia etc.

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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims		<p>CLASSIFICATION OF THE APPLICATION (Int.Cl.6)</p> <p>C07C405/00 A61K31/557</p> <p>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</p> <p>C07C</p>
Place of search	Date of completion of the search	Examiner
THE HAGUE	21 April 1999	Berte, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>		

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